

# 12 Lead ECG Interpretation in *ACUTE CORONARY SYNDROME* with CASE STUDIES from the CARDIAC CATHETERIZATION LAB

Easy-to-Follow ♦ Comprehensive ♦ 10 CE Hrs

### This symposium prepares Medical Professionals to:

- Interpret 12 Lead ECGs
- Assimilate ECG Data into a comprehensive patient evaluation process designed to compensate for the ECGs lack of sensitivity and specificity.
- Identify life-threatening ACS, Long QT & Brugada Syndromes by ECG and patient evaluation
- Identify the most subtle patterns of ACS often missed by medical professionals and the ECG machine's diagnostic software
- Identify the infarct related artery based on ECG interpretation in 11 common classifications of Acute Myocardial Infarction – and anticipate complications resulting from the failure of critical cardiac structures – *before they occur.*

Location and Times for Tampa, Florida:  
CPR-4-U Education Center  
2148 West Busch Boulevard  
Tampa, FL 33612

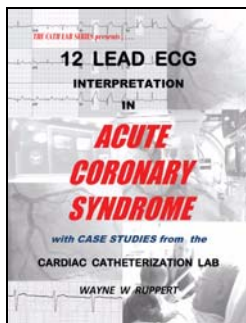
<u>CLASS DATES:</u>	05/18/2011	06/08/2011
	08/03/2011	09/13/2011
	11/09/2011	12/14/2011

<u>CLASS TIMES:</u>	<u>AM SESSION:</u>	<u>PM SESSION</u>
	0730-1200	1300-1730

FOR OTHER CITIES AND DATES AVAILBLE  
SEE: [www.ECGTraining.org](http://www.ECGTraining.org)

Wayne W. Ruppert  
Interventional Cardiovascular Technologist  
Cardiac Catheterization & Electrophysiology Labs  
St. Joseph Hospitals , Tampa, Florida

Mr. Ruppert serves as the primary 12 Lead ECG Instructor for the St. Joseph's Hospitals in Tampa, Florida and York Hospital in York, PA. Since 1995 he has taught 12 Lead ECG Interpretation to hundreds of critical care nurses, respiratory therapists and paramedics. He is the author of "12 Lead ECG Interpretation in Acute Coronary Syndrome with Case Studies from the Cardiac Catheterization Lab." Since joining St. Joseph Hospital in 1996, he has logged over 10,000 interventional cardiac catheterizations and electrophysiology (EP) studies. Mr. Ruppert operates the EP Med Systems mapping software used to obtain and interpret the electrogram, the "internal ECG." Mr. Ruppert began his career with York Hospital in 1980 and studied 12 Lead ECG Interpretation under the late Dr. Henry J. L. Marriott in 1982 and 1994.



"12 Lead ECG Interpretation in Acute Coronary Syndrome with Case Studies from the Cardiac Catheterization Lab," by Wayne W. Ruppert. TriGen Publishing, November 2010. Sold in the US, UK, Australia, Germany, Denmark, Japan, China, India and Egypt since its release.

This 306 page full color textbook serves as the foundation for our workshop series. The curriculum provides an in-depth, balanced approach to patient assessment, combining advanced ECG interpretation skills with patient symptoms, risk factor profile and cardiac marker evaluation. Correlation of ECG leads with the coronary arterial distributions which commonly supply each region of the heart are reinforced by use of 24 case studies of ST Segment Elevation Myocardial Infarction (STEMI), Non ST Segment Elevation Myocardial Infarction (NSTEMI), Unstable Angina, and Brugada Syndrome. STEMI Case Studies emphasize ECG identification of the infarct related artery, and complications to be expected based on failure of cardiac structures commonly supplied by the obstructed arterial distribution.



## REGISTRATION FORM

- Register by mail: complete this form, mail with your check to our address below:
- Register ONLINE to pay with PayPal, VISA, MASTERCARD: [www.ECGTraining.org](http://www.ECGTraining.org)

SIGN UP FOR:	TIME:	PRICE \$:
<input type="checkbox"/> 12 Lead ECG Interpretation in ACUTE CORONARY SYNDROME WORKSHOP. Includes: WORKBOOK, 156 pages, full color. (\$30.00 value)	7:30 am - to - 5:30 pm	95.00
<input type="checkbox"/> HARDCOVER TEXTBOOK: "12 Lead ECG Interpretation in Acute Coronary Syndrome with Case Studies from the Cardiac Catheterization Lab" by: Wayne Ruppert RETAIL VALUE: \$ 123.00 CONFERENCE SPECIAL (includes FL tax)		65.00

TOTAL ----- \$ \_\_\_\_\_

**WORKSHOP DESIRED:**

- ORLANDO - SAT. 08/13/2011
- ST. PETE / CLEARWATER - SAT. 09/03/2011
- FT. LAUDERDALE - SAT. 09/24/2011
- SARASOTA-BRADENTON - SAT. 11/05/2011
- GAINESVILLE - SAT. 11/19/2011
- TALLAHASSEE - FRI. 12/16/2011
- JACKSONVILLE - SAT. 12/17/2011

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

PHONE (w/AREA CODE): \_\_\_\_\_

EMAIL: \_\_\_\_\_

LICENSE / CERT: \_\_\_\_\_

LIC/CERT # (for CE CREDIT): \_\_\_\_\_

CANCELLATION POLICY: TO RECEIVE A REFUND, YOU MUST NOTIFY US OF YOUR INTENT TO CANCEL 3 DAYS PRIOR TO THE COURSE BY PHONE or EMAIL. LESS-THAN-FULL REFUND FOR 1 - 2 DAY NOTICE. ----- NO REFUNDS FOR NO-SHOWS -----

SIGNATURE: \_\_\_\_\_

MAIL TO: ECGTraining.org  
PO Box 7147  
Wesley Chapel, FL 33544

Email: [POSTMASTER@ECGTraining.org](mailto:POSTMASTER@ECGTraining.org)

Phone: 1.888.727.6910

## 12 Lead ECG Interpretation in **Acute Coronary Syndrome**

### ONE DAY SYMPOSIUM

**AM SESSION - 07:30am - 12:00 noon - 12 Lead ECG Fundamentals - 5.0 Contact Hours**

**AGENDA:**

- The ECG in Perspective
- Essential Anatomy & Physiology
  - Heart Sounds & the ECG
  - Coronary Artery Anatomy
- Basic ECG Principles
- Waveforms & Intervals
- Long Q-T Syndrome Overview
- Bundle Branch Blocks
- Fascicular Blocks
- Factors Affecting the ECG
- Axis Deviation
- Axis Rotation
- Wolff-Parkinson-White Syndrome
- Chamber Hypertrophy

**COURSE OVERVIEW:**

*The basis for our workshop is a combination of conventional cardiology and ECG textbooks, 70+ current scientific and medical journal citations, and 30+ case studies from the Cardiac Catheterization and Electrophysiology (EP) Labs. The final curriculum has been extensively reviewed and edited by a team of Board Certified Interventional Cardiologists, Emergency Department Physicians, Nurse Education Specialists and Paramedic Educators. Our presentation includes a combination of over 800 computer generated images, ECGs, Cardiac Cath Lab Angiographic Images and Electrograms, the "internal ECG" obtained during EP Studies.*

The morning session of our workshop lays the foundation for the development of solid ECG interpretation skills. Because knowledge of common coronary arterial anatomy is the key to understanding the complex pathophysiological changes that occur during Acute Myocardial Infarction, this program employs extensive use of angiographic images obtained during cardiac catheterization.

FOR A LIST OF SPECIFIC COURSE OBJECTIVES, SEE: [www.ECGTraining.org](http://www.ECGTraining.org)

**PM SESSION - 1:00pm - 5:30pm - 12 Lead ECG in Acute Coronary Syndrome - 5.0 Contact Hours**

**AGENDA:**

- Acute Coronary Syndrome (ACS) Overview & Quadrad of ACS.
- Typical / Atypical ACS Symptoms
- ECG Patterns associated with:
  - RBB / LBBB QRS Complexes
  - Narrow QRS Complexes
- Serial ECGs, Cardiac Markers.
- 15 & 18 Lead ECGs

**Case Studies:**

- ST Segment Elevation M.I (STEMI)
- Non-STEMI & Unstable Angina
- Brugada Synrome
- STEMI Mimics

**COURSE OVERVIEW:**

The afternoon session prepares Medical Professionals to become proficient in the 12 Lead ECG Identification of Acute Coronary Syndrome (ACS). 13 ECG patterns associated with ACS are presented, including the most subtle ECG changes often missed by clinicians and the ECG machine's automated interpretation software. The curriculum provides a balanced approach to Patient Assessment, combining advanced ECG interpretation skills with patient history, risk factor profile, and cardiac marker evaluation. Correlation of ECG Leads with the coronary arterial distributions which commonly supply each region of the heart are reinforced by 24 cardiac cath lab case studies of patients with ACS. STEMI Case Studies emphasize the ECG identification of the infarct-related artery, and complications to be expected based on the failure of cardiac structures commonly supplied by the obstructed coronary arterial distribution.

PRE-REQUISITE: Basic (single-lead) ECG Dysrhythmia Interpretation

FOR A LIST OF SPECIFIC COURSE OBJECTIVES, SEE: [www.ECGTraining.org](http://www.ECGTraining.org)

Each session (AM and PM) have been approved for 5.0 CE Hours by the State of Florida and Washington, DC Boards of Boards of Nursing. Completion of the full day nets 10.0 CE Hours. Approved for 10.0 CE Hours for Florida Paramedics.

**C.E. Broker Continuing Education Provider Number: 50-12998**

**Florida EMS Continuing Education Provider Number: 20-314904**

[www.ECGTraining.org](http://www.ECGTraining.org) ◆ PO Box 7147, Wesley Chapel, FL 33544 ◆ 1-888-727-6910